	Application No.	Applicant(s)
Notice of Allowability	10/749,759	ROESNER ET AL.
	Examiner	Art Unit	
	Tuyen To	2825	TT

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *02/14/2006*.

2. ☒ The allowed claim(s) is/are *1-6, 11-16, and 21-26 (renumbering per 37 CFR7 1.126)*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
     a) ☐ All   b) ☐ Some*   c) ☐ None   of the:
         1. ☐ Certified copies of the priority documents have been received.
         2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
         3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the
            International Bureau (PCT Rule 17.2(a)).
    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
       1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .
    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
       Paper No./Mail Date _____ .
    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____ .

DETAILED ACTION

This is a response to the communication filed on 02/14/2006. Claims

1-6, 11-16, and 21-26 are pending.

Claims 7-10, 17-20, and 27-30 have been cancelled.

Examiner's amendment

1.   An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

2.   Authorization for this examiner's amendment was given in telephone interviews with

Brian Russell (Reg. No. 40,796) on 03/09/2006 , with **Antony Ng** (Reg. No. 43,427) on

03/15/2006, and with **James Boice** (Reg. No. 44, 545) on 03/20/2006.

3.   **The application has been amended as follows**:

In Claims:

1.   Claim 1, line 14, replace " a mapping " with –said mapping--.

Claim 1, line 16, after " instance of said Dial", delete "." , insert --, wherein the selected

transformation is selected from a set of transformations consisting of a mathematical

transformation, logical transformation, a shift and generation of pseudo-random value.--.

2.   Claim 2, line 1, after "the Dial with" delete "a", insert –said--.

Claim 3, line 1, after "the Dial with" delete "a", insert –said--.

3.   Claim 11, line 17, after " instance of said Dial", delete ".", insert --, wherein the selected

transformation is selected from a set of transformations consisting of a mathematical

transformation, logical transformation, a shift and generation of pseudo-random value.--.

4.   Claim 12, line 2, replace "a mapping " with –said mapping--.

5.   Claim 13, line 2, replace "a mapping " with –said mapping--.

6.   Claim 21, line 15, replace "a mapping " with –said mapping--.

7.   Claim 21, line 16, after " instance of said Dial", delete ".", insert --, wherein the selected

transformation is selected from a set of transformations consisting of a mathematical

transformation, logical transformation, a shift and generation of pseudo-random value. --.

8.   Claim 22, line 2, replace "a mapping function " with –said mapping function--.

        Claim 23, line 2, replace "a mapping function " with –said mapping function--.

Allowable Subject Matter

9.   **Claims** 1-6, 11-16, and 21-26 contain allowable subject matter.

10.   The following is a statement of reasons for the indication of allowable subject matter:

        Claims 1-6, 11-16, and 21-26 are allowed because *the prior art of record does not teach*

or fairly suggest a method/a data processing system / program product of associating a mapping

function comprising: in the one or more HDL files, specifying a Dial defining a relationship

between each of a plurality of input values and a respective one of a plurality of different output

values; in the one or more HDL files, including a statement that instantiates an instance of said

Dial in association with said configuration latch such that a one-to-one correspondence exists

between a value contained within said configuration latch and an input value of said instance of

said Dial; and in the one or more HDL files, including a statement associating the Dial with said

mapping function that applies a selected transformation to values read from or written to said

instance of said Dial, wherein the selected transformation is selected from a set of

transformations including a mathematical transformation, logical, a shift and generation of a

pseudo-random value.

11.   Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Conclusion

12.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Tuyen To whose telephone number is (571) 272-8319. The

examiner can normally be reached on 9:00am-5:00pm.

13.   If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Jack Chiang can be reached on (571) 272-7483. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Art Unit: 2825

Tuyen To *Tuyen To*

Patent examiner

VUTHE SIEK
PRIMARY EXAMINER